

LED light

177 LEDS Par Can /Panel

183 LEDS Par Can /Panel

USER MANUAL

Ver4.0

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1. Before you work

1.1 Packing list

Product name	quantity
LED Panel Light	1pcs
Power -wire	1 base

1.2 Unpacking instructions

When you get this product, please take it from carton carefully to make sure whether all the accessories are in and damaged or not

When you find that there are any parts or wrong sign with the carton, or non-operation, please inform us and to keep the carton and shipping bill completely.

1.3 AC Power

Please check the manual book before you operate the light. The rating current of the light listed which shows the average current-consume under the normal circumstances.

All the lights must be offered shoot-through circuit, it couldn't be connected dimmer circuit, although the dimmer channels are completely for 1-100% switch.

Before the light's working, please confirm the correct voltage.

Warning! Confirm the voltage to select switch which can be matched the circuit with the light. If it is different from the supply power and light, it will damage the light! All the light must be connected the earth, not all the lights have the switch to be selected.

Please connect the correct voltage!

1.4 Safety instructions

Please read these instructions carefully, it includes important information about the light's installation, usage and maintenance of this product.

Please confirm the same voltage to the light.

The light couldn't be water-proof, it only allow to be used in door. Don't expand the light in wet or rain day, to avoid fire or damaged light.

Please confirm there is no flammable material around the light.

The light must be set up the ventilating place. The distance is $\geq 51\text{cm}$ around approach material. To check the air passage is ok at any time.

The Maximum temperature is $\leq 40^{\circ}\text{C}$ (104°F).

When the lights has problems, please stop to use to contact the supplier. Don't repair it by yourself!

Don't connect by a dimmer.

To confirm the power wire is straight and non-damaged. Don't pull it directly.

Don't look at the bulb when the light is working to avoid any hurt.

2. Introduction

2.1 Features

8 DMX channels.

RGB LED light source, life long is 50000-10000 hours.

Variable electronic dimmer(0-100%).

Strobe

Color:auto-running and color shade.

Control mode:Menu,DMX mode

Fan cooled

2.2 DMX channel

Channel	Function
1	Dimmer
2	Red *
3	Green *
4	Blue *
5	7 Color changer*
6	Color shade *
7	Strobe
8	Sound activated

Note: *When the channel is opening, please confirm the channel 1st is phase-in.

3. Setup

3.1 Fixture linking

When you control the light's master/slave or DMX 512 signal agreement, the lights can be connected by signal wire which the distance is $\leq 500m$, The maximum connect lights are 32pcs more or less, and adapt DMX light pair to segregate the signal zoom equipment, in order to protect the light's signal won't be interrupted by other signal. Moreover, it won't affect by the signal wire's length

Data connect

Data cable is connected by DMX data wire, and XLR. Please use hi-quality data cable signal wire, it won't be interrupted by magnetic.

Characteristics of DMX data cable

2 conductors' double tree lace and shield.

The maximum capacitance of the conductors-30 pF/ft.

The maximum capacitance of the conductor and shield -55 pF/ft.

The maximum resistance is 20 ohms/1000ft.

The nominal impedance 100-140 ohms.

Cable wire's adapter:

The two sides of signal cable wire is consisted of 1 pair female and male 3 XLR plug, which is correspond the lights or DMX controller, DMX optocoupler segregate signal zoom equipment's 3 pin(5 pin) XLR plug.

3-Pin to 5-Pin conversion chart

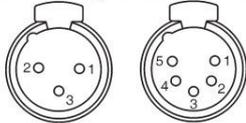
Note! If you use a controller with a 5 pin DMX output connector. you will need to use a 5pin to 3 pin adapter

CHAUVET Model No:DMX5M. or DMX 5F

The chart below details a proper cable conversion:

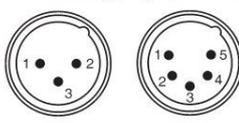
Occupation of the XLR-connection:

DMX - output
XLR mounting-sockets (rear view):



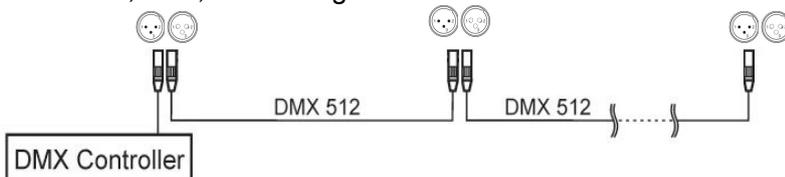
- 1 - Shield
- 2 - Signal (-)
- 3 - Signal (+)
- 4 - Not connected
- 5 - Not connected

DMX-input
XLR mounting-plugs (rear view):



3.2 Setting up a DMX signal connect

As following pictures show, please connect the first light to the signal cable which is with XLR by DMX controller, then, connect light in series.



The light must be set up the ventilating place. To confirm there is nothing to hinder the heat dissipation place.

|_____LrXX(To adjust red brightness separately)

|_____LgXX(To adjust green brightness separately)

|_____LbXX(To adjust blue brightness separately)

Note:* "Add", of "." Which should show as flicker ,non-flicker means no signal or wrong signal.

***"XX" Value: "01-10".

***Shade: Red from bright to be off, then, green from bright to be off, then, blue from bright to be off, then, Red from bright to be off.....

****Change: Red bright, red be off, green bright, green be off, blue bright, blue be off, red bright.....

4.3 User configurations

Set-up 1pcs light`s menu mode (Auto-running)

.Press the MENU, such as the picture 4.2 shows the menu function

.Use the UP/DOWN buttons to choose the right one to confirm.

For example: *Set-up 1pcs light`s sound and shade mode*

Press **ENTER**, after press **UP/DOWN** until it shows **SOUN**.

To confirm by **MENU**.

Use **UP/DOWN** to choose **S201-S210** to confirm by **ENTER**.

To set DMX mode

The light can connect to the DMX controller to receive its signal indication, which control by DMX controller. DMX value is referenced by

4.4 DMX channel values

Channel	Value	Function
1	0-255	Dimmer 0-100%
2	0-255	Red 0-100%
3	0-255	Green 0-100%
4	0-255	Blue 0-100%
5	0-2 3-14 15-29 30-44 45-59 60-74 75-89 90-104 105-255	Color change No function R R+B B B+G G R+G R+G+B Color change with increasing speed
6	0-2 3-41 42-83 84-125 126-167 168-209 210-251 252-255	Color shade No function R:100% B:0 G:0~100% R:100%~0 B:0 G:100% R:0 B:0~100% G:100% R:0 B:100% G:100%~0 R:0~100% B:100% G:0 R:100% B:100% G:0~100% R:100% B:100% G:100%

7	0-255	Strobe with increasing speed
8	0-127 128-192 193-255	Sound activated None sound control of color change sound control of strobe

5.Specification

Voltage	AC110V -240V/50Hz/60Hz
Color	RGB color mixing.
Control	DMX512 signal
Max temperature	104°F(40°C)
Data input/output	3pin XLR-connection、 anode socket